

PTO/SB/21 (09-06)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

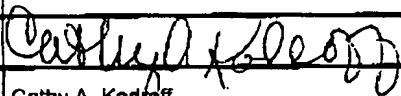
27

Application Number	10/573,600
Filing Date	March 24, 2006
First Named Inventor	Wilson et al
Art Unit	1633
Examiner Name	
Attorney Docket Number	UPN-P3230USA

ENCLOSURES (Check all that apply)

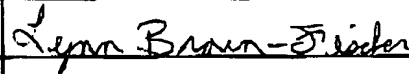
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 2 pp. Request for correction of Filing Receipt 3 pp. copy of Filing Receipt-Exhibit A 9 pp. Copy of Notice of Recordation & Assignment-Exhibit B
Remarks 6 pp. Copy of Application Data Sheet- Exhibit C 3 pp. Copy of Preliminary Amendment-Exhibit D 3 pp. Copy of Declaration and Power of Attorney-Exhibit E Customer No. 00270 Facsimile No. 571-273-0459		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	HOWSON & HOWSON LLP		
Signature			
Printed name	Cathy A. Kodtiff		
Date	DECEMBER 1, 2006	Reg. No.	33,980

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Lynn Brown-Fischer	Date	December 1, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UPN-P3230USA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No. : 10/573,600
Applicant : Wilson et al
Filed : March 24, 2006
Art Unit : 1633
Examiner :
Customer No. : 00270

Confirmation No. : 6834

RECEIVED

1 DEC 2006

Legal Staff
International Division

Title : ADENO-ASSOCIATED VIRUS (AAV) CLADES, SEQUENCES, VECTORS
CONTAINING SAME, AND USES THEREFOR

Attention: PCT Legal Department
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR CORRECTION OF FILING RECEIPT

Sir:

Enclosed is a copy of the Filing Receipt (Exhibit A) received in the above-identified application. Two errors are noted and are marked in red on the attached copy.

Applicant respectfully requests that the name of the receiving party of the Assignment (The Trustees of the University of Pennsylvania, Philadelphia, PA) be corrected as shown on the Notice of Recordation and Assignment Documents (Exhibit B). The Domestic Priority Data be revised as noted on page 6 of the Application Data Sheet as (Exhibit C), Page 2 of the Preliminary Amendment (Exhibit D), and Page 1 of the Declaration and Power of Attorney (Exhibit E).

Certificate of Transmission Under 37 CFR § 1.8

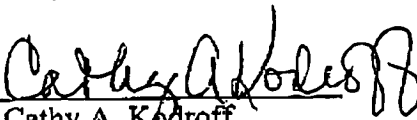
I hereby certify that this correspondence is being facsimile
transmitted to the United States Patent And Trademark Office
on December 1, 2006.

Signature Lynn Brown-FischerTyped or Printed Lynn Brown-Fischer

The Director is hereby authorized to charge any deficiency in any fees due with the filing of this paper or credit any overpayment in any fees to our Deposit Account Number 08-3040.

Respectfully submitted,

HOWSON & HOWSON LLP
Attorneys for Applicant

By 
Cathy A. Kodroff
Registration No. 33,980
501 Office Center Drive
Suite 210
Fort Washington, PA 19034
Phone: (215) 540-9200
Fax: (215) 540-5818



UNITED STATES PATENT AND TRADEMARK OFFICE



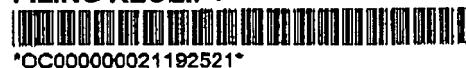
UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/573,600	03/24/2006	1633	4850	UPN-P3230USA	125	58	11

CONFIRMATION NO. 6834

270
HOWSON AND HOWSON
SUITE 210
501 OFFICE CENTER DRIVE
FT WASHINGTON, PA 19034

FILING RECEIPT



OC000000021192521

Date Mailed: 11/13/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

James Wilson, Gladwyne, PA;
Guangping Gao, Rosemont, PA;
Mauricio R. Alvira, Philadelphia, PA;
Luc H. Vandenberghe, Philadelphia, PA;

NOV 16

Assignment For Published Patent Application

The Trustees of the University of Pennsylvania, Philadelphia, PA

Trustees

Power of Attorney: The patent practitioners associated with Customer Number 270.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/US04/28817 09/30/2004
which claims benefit of 60/508,226 09/30/2003
and claims benefit of 60/556,546 03/26/2004

Foreign Applications

60/566,546 04/29/2004

If Required, Foreign Filing License Granted: 11/09/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/573,600**

Projected Publication Date: 02/15/2007

Non-Publication Request: No

Early Publication Request: No

Title

Adeno-associated virus (aav) clades, sequences, vectors containing same, and uses therefor

Preliminary Class

424

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process simplifies the filing of patent applications on the same invention in member countries, but does not result in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where

the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 08, 2006

PTAS

HOWSON AND HOWSON
501 OFFICE CENTER DRIVE, SUITE 210
FORT WASHINGTON, PA 19034

103215048A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 03/24/2006

REEL/FRAME: 017749/0058
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

WILSON, JAMES M.

DOC DATE: 03/17/2006

ASSIGNOR:

GAO, GUANGPING

DOC DATE: 03/06/2006

ASSIGNOR:

ALVIRA, MAURICIO R.

DOC DATE: 03/06/2006

ASSIGNOR:

VANDENBERGHE, LUC H.

DOC DATE: 03/06/2006

JUN 19 2006

017749/0058 PAGE 2

ASSIGNEE:

TRUSTEES OF THE UNIVERSITY OF
PENNSYLVANIA, THE
3160 CHESTNUT STREET
SUITE 200
PHILADELPHIA, PENNSYLVANIA

19104-6283

SERIAL NUMBER: 10573600

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: ADENO-ASSOCIATED VIRUS (AAV) CLADES, SEQUENCES, VECTORS CONTAINING
SAME, AND USES THEREFOR

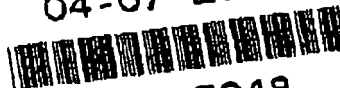
ANTIONE ROYALL, EXAMINER
ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

RECO

04-07-2006

DEPARTMENT OF COMMERCE
States Patent and Trademark Office



103215048

MAR 24 2006

To the Director of the U.S. Patent and Trademark

1. Name of conveying party(ies)

JAMES M. WILSON March 17, 2006
GUANGPING GAO March 6, 2006
MAURICIO R. ALVIRA March 6, 2006
LUC H. VANDENBERGHE March 6, 2006

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s)

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

2. Name and address of receiving party(ies)

Name: The Trustees of the University of Pennsylvania

Internal Address:

Street Address: 3160 CHESTNUT STREET

Suite 200

City: Philadelphia

State: PA

Country: USA

Zip: 19104-6283

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

☒ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: HOWSON AND HOWSON

Internal Address:

Street Address: 501 Office Center Drive, Suite 210

City: Fort Washington

State: Pa

Zip: 19034

Phone Number: 215-540-9200

Fax Number: 215-540-5818

Email Address: ckodroff@howsonandhowson.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 08-3040

Authorized User Name Howson and Howson

9. Signature:

Cathy A. Kodroff
Signature

March 24, 2006

Date

Cathy A. Kodroff
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

7

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

04/04/2006 PTRAN1 00000034 10573600

07 FEB 2006

40.00 DP

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

JAMES M. WILSON March 17, 2006
GUANGPING GAO March 6, 2006
MAURICIO R. ALVIRA March 6, 2006
LUC H. VANDENBERGHE March 6, 2006

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) _____

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
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☐ Executive Order 9424, Confirmatory License
☐ Other _____

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Name: The Trustees of the University of Pennsylvania

Internal Address: _____

Street Address: 3160 CHESTNUT STREET

Suite 200

City: Philadelphia

State: PA

Country: USA

Zip: 19104-6283

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s) _____

☒ This document is being filed together with a new application.

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: HOWSON AND HOWSON

Internal Address: _____

Street Address: 501 Office Center Drive, Suite 210

City: Fort Washington

State: Pa

Zip: 19034

Phone Number: 215-540-9200

Fax Number: 215-540-5818

Email Address: ckodroff@howsonandhowson.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

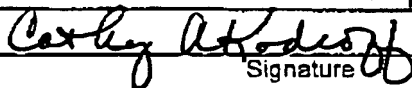
a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number 08-3040

Authorized User Name Howson and Howson

9. Signature:



Signature

March 24, 2006

Date

Cathy A. Kodroff

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 7

Documents to be recorded (including cover sheet) should be faxed to (671) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

Customer No. 00270

UPN-P3230

ASSIGNMENT

WHEREAS, James M. Wilson, Guangping Gao, Mauricio R. Alvira, and Luc H. Vandenberghe hereinafter referred to as ASSIGNORS, have invented and are the owners of an invention entitled **ADENO-ASSOCIATED VIRUS (AAV) CLADES, SEQUENCES, VECTORS CONTAINING SAME, AND USES THEREFOR**, said invention being fully set forth and described in the application for Letters Patent of the United States which has been prepared in connection with said invention, and which has been signed by ASSIGNORS; and

WHEREAS, The Trustees of the University of Pennsylvania, a corporation organized and existing under and by virtue of the laws of the Commonwealth of Pennsylvania and engaged in business at 3160 Chestnut Street, Suite 200, Philadelphia, PA 19104-6283, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring the said invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and foreign countries which may be issued therefore;

NOW, THEREFORE, THIS IS TO WITNESS that in consideration of the sum of One Dollar (\$1.00) paid to ASSIGNORS by ASSIGNEE, the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS have sold, assigned and set over, and hereby do sell, assign and set over, unto ASSIGNEE, its successors and assigns, the entire right, title and interest for, to and within the United States and all foreign countries, in and to the aforesaid invention and in and to any application for Letters Patent which ASSIGNEE at its expense may cause to be filed in the United States, under an international treaty, or in any foreign country, and in any United States or foreign patent which may be granted on said invention, including any extensions, non-provisionals, divisions, reissues, continuations, or continuations-in-part.

And ASSIGNORS hereby authorize and request the Director of the USPTO to issue any and all Letters Patent of the United States to ASSIGNEE, its successors and assigns, as owner of all right, title and interest therein;

And for said consideration, it is hereby covenanted and agreed that at the request and expense of ASSIGNEE, its successors and assigns, ASSIGNORS will execute any further papers and do such other acts and things as may be necessary and proper to procure Letters Patent of said invention in the United States and in such foreign countries as ASSIGNEE, its successors and assigns may elect, and vest the full title thereto in ASSIGNEE, its successors and assigns;

And ASSIGNORS hereby authorize and direct its attorneys to insert, in the space provided below, the serial number of the aforesaid application for Letters Patent of the United States when the same shall have been made known to them by the United States Patent and Trademark Office.

IN WITNESS WHEREOF, this assignment has been executed on the dates indicated below.

Date Mar 17, 2006

J. Wilson
JAMES M. WILSON

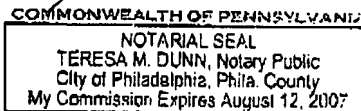
NOTARIAL CERTIFICATE

State of Pennsylvania :

County of Philadelphia : ss.

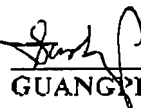
Before me, the undersigned, a notary public, in and for the county aforesaid, on this 17 day of March, 2006, personally appeared JAMES M. WILSON to me know to be the person described in and who executed the foregoing instrument and who acknowledged the execution of the same as a free act and deed and desired the same to be recorded as such.

Teresa M. Dunn
Notary Public



IN WITNESS WHEREOF, this assignment has been executed on the dates indicated below.

Date

3/6/06GUANGPING GAO

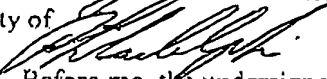
NOTARIAL CERTIFICATE

State of

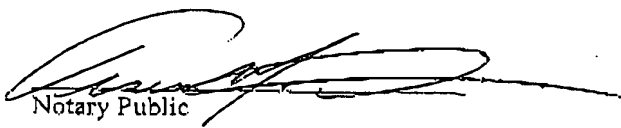
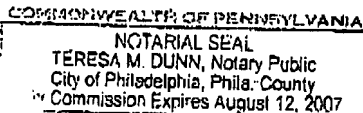


: ss.

County of



Before me, the undersigned, a notary public, in and for the county aforesaid, on this 6 day of March, 2006, personally appeared **GUANGPING GAO** to me known to be the person described in and who executed the foregoing instrument and who acknowledged the execution of the same as a free act and deed and desired the same to be recorded as such.


Notary Public

IN WITNESS WHEREOF, this assignment has been executed on the dates indicated below.

Date 3-6-06

M. R. Alvira
MAURICIO R. ALVIRA

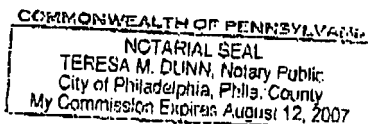
NOTARIAL CERTIFICATE

State of Pennsylvania : ss.

County of Philadelphia :

Before me, the undersigned, a notary public, in and for the county aforesaid, on this 6 day of March, 2006, personally appeared MAURICIO R. ALVIRA to me know to be the person described in and who executed the foregoing instrument and who acknowledged the execution of the same as a free act and deed and desired the same to be recorded as such.

Teresa M. Dunn
Notary Public



IN WITNESS WHEREOF, this assignment has been executed on the dates indicated below.

Date 23/06/06

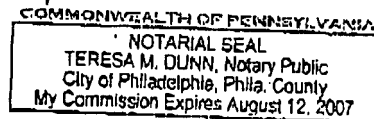

LUC H. VANDENBERGHE

NOTARIAL CERTIFICATE

State of Pennsylvania : ss.
County of Philadelphia :

Before me, the undersigned, a notary public, in and for the county aforesaid, on this 23 day of March, 2006, personally appeared LUC H. VANDENBERGHE to me know to be the person described in and who executed the foregoing instrument and who acknowledged the execution of the same as a free act and deed and desired the same to be recorded as such.


Notary Public



Application for United States Letters Patent Serial Number _____, filed
_____.

Howson and Howson

APPLICATION DATA SHEET



Application Information	
Application Number::	
Filing Date::	Herewith
Application Type::	Regular (National Stage)
Subject Matter::	Utility
Suggested Classification::	
Suggested Group Art Unit::	
CD-ROM or CD-R::	None
Number of CD disks::	
Number of Copies of CDs::	
Sequence Submission?::	Paper
Computer Readable Form (CRF)?::	Yes
Number of Copies of CRF::	1
Title::	Adeno-Associated Virus (AAV) Clades, Sequences, Vectors Containing Same, and Uses Therefor
Attorney Docket Number::	UPN-P3230USA
Request for Early Publication?	No
Request for Non-Publication?	No
Suggested Drawing Figure::	
Total Drawing Sheets::	125
Small Entity::	No
Latin name::	
Variety denomination name	
Petition Included::	No
Petition Type	
Licensed US Govt. Agency::	National Institutes of Health (NIH)
Contract or Grant Number::	NIDDK P30 DK47757 and NHLBI P01 HL59407
Secrecy Order in Parent Application::	No

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Country of Mailing Address::	US
Postal or Zip Code of Mailing Address::	19104

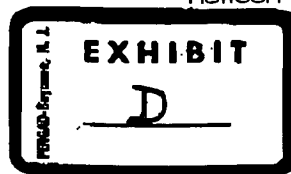
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Representative Information		
Representative Customer No. 00270	Registration Number	Name

Domestic Priority Information			
Application	Continuity Type	Parent Application	Parent Filing Date
This application	National Phase of	PCT/US04/028817	09/30/04
PCT/US04/028817	An appln. claiming the benefit under 35 USC 119(e)	60/508,226	09/30/03
PCT/US04/028817	An appln. claiming the benefit under 35 USC 119(e)	60/566,546	04/29/04
Foreign Priority Information			
Country	Application Number	Filing Date	Priority Claimed

Assignee Information	
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State or Province of Mailing Address::	PA
Country of Mailing Address::	US
Postal or Zip Code of Mailing Address::	19104-6283



UPN-P3230USA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No. : Confirmation No.:
Applicant :
Filed : Herewith
Art Unit :
Examiner :
Customer No. : 00270
Title : ADENO-ASSOCIATED VIRUS (AAV) CLADES,
SEQUENCES, VECTORS CONTAINING SAME, AND USES
THEREFOR

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PRELIMINARY AMENDMENT

Sir:

This paper accompanies the above-referenced national phase application. Kindly amend this national phase filing as indicated.

Kindly amend the application as follows:

Amendments to the Specification begin on page 2 of this paper

Remarks/Arguments begin on page 3 of this paper.

AMENDMENTS TO THE SPECIFICATION

Please add the abstract, which is supplied herewith on a separate sheet. .

Please insert the following new paragraph at page 1, on the first line under the title:

CROSS-REFERENCE TO RELATED APPLICATIONS

This is a national stage application under 35 U.S.C. 371 of PCT/US04/028817, filed September 30, 2004, which claims the benefit under 35 U.S.C. 119(e) of the priority of U.S. Patent Application No. 60/508,226, filed September 30, 2003 and U.S. Patent Application No. 60/566,546, filed April 29, 2004.

REMARKS/ARGUMENTS

The Cross-Reference to Related Applications is to be added on the first page of the specification.

An abstract has been added in compliance with 37 C.F.R. §1.72(b) and 1.77(b)(10).

No new matter is added by this amendment.

The Director is hereby authorized to charge any deficiency in any fees due with the filing of this paper, or credit any overpayment in any fees, to our Deposit Account, Number 08-3040.

Respectfully submitted

HOWSON AND HOWSON
Attorneys for Applicants

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CUSTOMER No. 00270

UPN-P3230

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **ADENO-ASSOCIATED VIRUS (AAV) CLADES, SEQUENCES, VECTORS CONTAINING SAME, AND USES THEREFOR** the specification of which

(check one) ☒ X is attached hereto
 was filed on _____ as PCT International Patent Application No. _____
 and was amended on _____
 (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part application, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
60/508,226				
60/566,546				

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

60/508,226
 (Application Number)

September 30, 2003
 (Filing Date)

60/566,546
 (Application Number)

April 29, 2004
 (Filing Date)

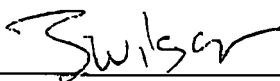
I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: STANLEY B. KITA, Registration No. 24,561; GEORGE A. SMITH, JR., Registration No. 24,442; MARY E. BAK, Registration No. 31,215; CATHY A. KODROFF, Registration No. 33,980; WILLIAM BAK, Registration No. 37,277, and TRACY U. PALOVICH, Registration No. 47,840. Robert Duminiak, Registration No. 51,636.

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Address all correspondence to HOWSON AND HOWSON, 501 Office Center Drive, Suite 210, Fort Washington, PA 19034.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: JAMES M. WILSON

Inventor's signature



Date

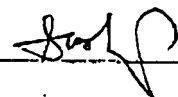
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Full name of second inventor: GUANGPING GAO

Inventor's signature



3/6/06
Date

Residence: Rosemont, Pennsylvania

Citizenship: United States of America

Post Office Address: 408 Yorkshire Road, Rosemont, Pennsylvania 19010

Full name of third inventor: MAURICIO R. ALVIRA

Inventor's signature



3-6-06
Date

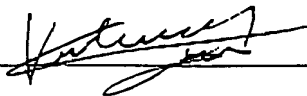
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Citizenship: United States of America

Post Office Address: 4417 Pine Street, Apt. 203, Philadelphia, PA 19104

Full name of fourth inventor: LUC H. VANDENBERGHE

Inventor's signature



02/06/06
Date

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*** RX REPORT ***

RECEPTION OK

TX/RX NO	7021
RECIPIENT ADDRESS	2155405818
DESTINATION ID	
ST. TIME	12/01 09:04
TIME USE	02'35
PGS.	26
RESULT	OK